U.S. Serial No. 09/142,305

Version of Specification and Claims Showing Changes Made

In the Title:

Amend the title from

"GENE THAT IMPARTS SELECTIVE PROLIFERATION ACTIVITY" to

--FUSION PROTEIN THAT IMPARTS SELECTIVE PROLIFERATION ACTIVITY --.

In the Claims:

Amend claims 1-4 as follows.

1. (Amended) A fusion protein comprising (a) a first [ligand-binding] domain to which a ligand binds that comprises a steroid hormone receptor, (b) a second domain that (i) comprises a steroid hormone receptor and (ii) associates when a ligand binds to the first domain [of (a)], and (c) a third domain comprising a cytokine receptor or a part thereof that imparts proliferation activity to a cell upon the association of the second domain.

2. (Amended) The fusion protein of claim 1, wherein the third domain ["domain comprising a cytokine receptor or a part thereof that imparts proliferation activity to a cell upon the association"] is derived from a G-CSF receptor.

3. (Amended) The fusion protein of claim 1, wherein the [first "ligand-binding" domain is derived from a] steroid hormone receptor is an estrogen receptor,

androgen receptor, progesterone receptor, glucocorticoid receptor, or mineral corticoid receptor.

4. (Amended) The fusion protein of claim [3] 2, wherein the steroid hormone receptor is an estrogen receptor.

Please add the following new claims 18-24.

18. (New) The fusion protein of claim 4, wherein the third domain comprises the entire G-CSF receptor.

19. (New) The fusion protein of claim 4, wherein the third domain comprises a mutant G-CSF receptor that lacks reactivity against G-CSF.

20. (New) The fusion protein of claim 19, wherein the mutant G-CSF receptor lacks the extracellular domain of wild-type G-CSF.

21. (New) The fusion protein of claim 19, wherein the mutant G-CSF receptor is deficient in amino acid residue 5 (Glu) through 195 (Leu) of wild-type G-CSF.

22. (New) The fusion protein of claim 4, wherein the third domain comprises a mutant G-CSF receptor that lacks reactivity against G-CSF and the ability to induce differentiation.

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23. (New) The fusion protein of claim 22, wherein the mutant G-CSF receptor lacks both the extracellular domain and the differentiation-inducing domain of wild-type G-CSF.

24. (New) The fusion protein of claim 23, wherein the mutant G-CSF receptor is deficient in amino acid residues 5 (Glu) through 195(Leu) as well as amino acid residues 725 through 756 of wild-type G-CSF.

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Specification and Pending Claims After Entry of Amendment

In the Title:

The title now reads:

FUSION PROTEIN THAT IMPARTS SELECTIVE PROLIFERATION ACTIVITY

Claims 1-4 and 18-24 are pending in the application.

1. (Amended) A fusion protein comprising (a) a first domain to which a ligand binds that comprises a steroid hormone receptor, (b) a second domain that (i) comprises a steroid hormone receptor and (ii) associates when a ligand binds to the first domain, and (c) a third domain comprising a cytokine receptor or a part thereof that imparts proliferation activity to a cell upon the association of the second domain.

2. (Amended) The fusion protein of claim 1, wherein the third domain is derived from a G-CSF receptor.

3. (Amended) The fusion protein of claim 1, wherein the steroid hormone receptor is an estrogen receptor, androgen receptor, progesterone receptor, glucocorticoid receptor, or mineral corticoid receptor.

4. (Amended) The fusion protein of claim 2, wherein the steroid hormone receptor is an estrogen receptor.

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18. (New) The fusion protein of claim 4, wherein the third domain comprises the entire G-CSF receptor.

19. (New) The fusion protein of claim 4, wherein the third domain comprises a mutant G-CSF receptor that lacks reactivity against G-CSF.

20. (New) The fusion protein of claim 19, wherein the mutant G-CSF receptor lacks the extracellular domain of wild-type G-CSF.

21. (New) The fusion protein of claim 19, wherein the mutant G-CSF receptor is deficient in amino acid residue 5 (Glu) through 195 (Leu) of wild-type G-CSF.

22. (New) The fusion protein of claim 4, wherein the third domain comprises a mutant G-CSF receptor that lacks reactivity against G-CSF and the ability to induce differentiation.

23. (New) The fusion protein of claim 22, wherein the mutant G-CSF receptor lacks both the extracellular domain and the differentiation-inducing domain of wild-type G-CSF.

24. (New) The fusion protein of claim 23, wherein the mutant G-CSF receptor is deficient in amino acid residues 5 (Glu) through 195(Leu) as well as amino acid residues 725 through 756 of wild-type G-CSF.